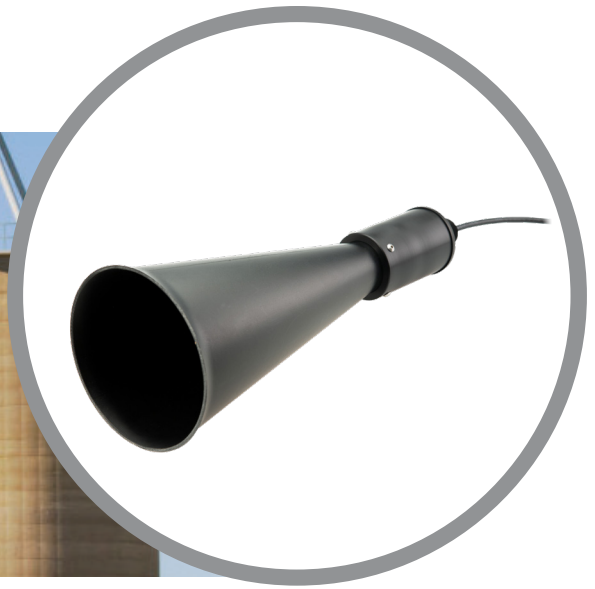


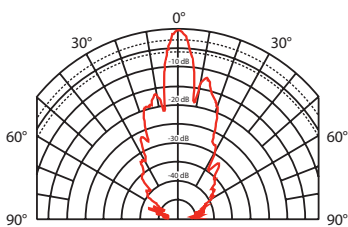
ART15



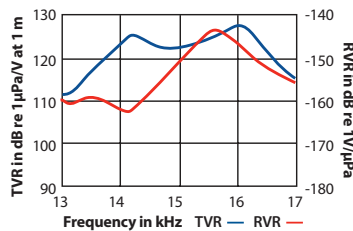
SPECIFICATIONS

Best operating frequency: 15 kHz ± 0.5 kHz
Minimum Transmit Sensitivity at Best Transmit Frequency:
 123 dB re $1 \mu\text{Pa/V}$ at 1 m
Minimum Receive Sensitivity at Best Receive Frequency:
 -148 dB re $1 \text{V}/\mu\text{Pa}$
Minimum Parallel Resistance @15kHz: 100 Ohm
Minimum and Maximum Sensing Range: 1-60 m
Beamwidth (@ -3 dB Full Angle): $6^\circ \pm 2^\circ$
Maximum Driving Voltage (2% Duty Cycle Tone Burst): $900 \text{ V}_{\text{pp}}$
Operating Temperature: -30°C to 60°C
Thermistor Operating Range: -20°C to 60°C
Weight: 2.6 lbs / 1.18 kg
Cable Length: 10 m
Housing Material: Aluminum, static dissipative Kynar, static dissipative PE
Acoustic Window: LDPE

Directivity Pattern



Transmit & Receive Voltage Response



Impedance Magnitude & Phase

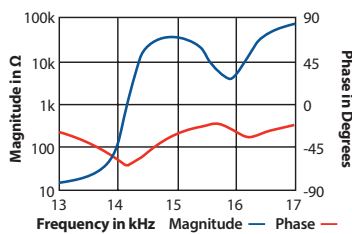
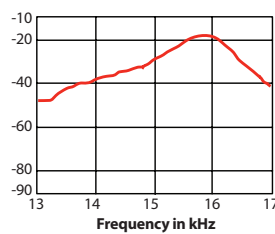


Figure of Merit (Sum of TVR & RVR)



15 kHz

AIRDUCER® Ultrasonic Transducer

Applications

- Silos
- Wells
- Wastewater facilities
- Large capacity tanks
- River crossings/bridges

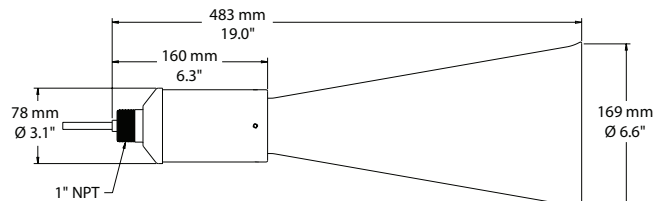
Features

- Delivers long range level measurements up to 60 m (197')
- Extended range without the cost of radar
- Built-in thermistor

Options

- Cable length can be customized
- Also available without thermistor

Dimensions



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ART15_rA 5/29/20

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